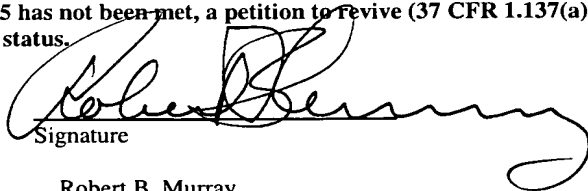


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|---|--|---|---|
| FORM PTO-1390   |  | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No.   |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371  |  |   | 3165-112  |
|   |  |   | U.S. Application No. (if known see 37 CFR 1.5)<br><b>107518592</b><br>New Application |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP03/06894   | INTERNATIONAL FILING DATE<br>June 30, 2003 | PRIORITY DATE CLAIMED<br>July 8, 2002                   |   |
| TITLE OF INVENTION<br>VULCANIZATION OF RUBBER OR LATEX BY APPLYING A MIXTURE MADE FROM SULFUR AND COMPLEXER   |  |   |   |
| APPLICANT(S) FOR DO/EO/US<br>Joern TIDOW, Herbert SCHOLZ, Fritz NIMTZ, Michael STANG, Thomas DANNER, Adolf PARG, Rofl FOERSTER, Karl-Heinrich SCHNEIDER, Hans-Josef STERZEL, Bernhard ALBERT  |  |   |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |  |   |   |
| <p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p style="margin-left: 20px;">a. <input checked="" type="checkbox"/> is attached hereto.</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 20px;">d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input checked="" type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> |  |   |   |
| <b>ITEMS 11. TO 20. below concern other document(s) or information included:</b>  |  |   |   |
| <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input checked="" type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: PCT/IPEA/409, PCT/IB/306, Published Application</p>   |  |   |   |

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| U.S. APPLICATION NO. <b>10/518592</b><br>New Application   |              | INTERNATIONAL APPLICATION NO.<br>PCT/EP03/06894                                     |            | ATTORNEY DOCKET NO.<br>3165-112  |                     |
| 21. <input checked="" type="checkbox"/> The following fees are submitted:<br><br><input checked="" type="checkbox"/> a) Basic national fee.....\$300.00<br><br><input checked="" type="checkbox"/> b) Examination fee.....\$200.00<br><br><input checked="" type="checkbox"/> c) Search fee.....\$500.00<br><br><div style="text-align: right;">TOTAL OF ABOVE CALCULATIONS = \$1,000.00</div>   |              |   |            | <u>CALCULATIONS</u>  | <u>PTO USE ONLY</u> |
|  |              |   |            | \$300  |                     |
|  |              |   |            | \$200  |                     |
|  |              |   |            | \$500  |                     |
|  |              |   |            | \$1,000  |                     |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |   |            | \$0  |                     |
| Total Sheets   | Extra Sheets | Number of each additional<br>50 or fraction thereof (round up<br>to a whole number) | Rate       |  |                     |
| - 100 =  | /50=         |   | x\$250     | \$0  |                     |
| Surcharge of \$130 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  |              |   |            |  |                     |
| Claims   | Number Filed | Number Extra  | Rate       |  |                     |
| Total Claims   | 10 -20 =     | 0   | X \$50.00  | \$0  |                     |
| Independent Claims   | 3 - 3 =      | 0   | X \$200.00 | \$0  |                     |
| Multiple dependent claim(s) (if applicable)  |              |   | + \$360.00 | \$0  |                     |
| TOTAL OF ABOVE CALCULATIONS =  |              |   |            | \$1,000  |                     |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |   |            | \$0  |                     |
| SUBTOTAL =   |              |   |            | \$1,000  |                     |
| Processing fee of \$130.00 for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).   |              |   |            | \$0  |                     |
| TOTAL NATIONAL FEE =   |              |   |            | \$1,000  |                     |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property   |              |   |            | + \$40   |                     |
| TOTAL FEES ENCLOSED =  |              |   |            | \$1,040  |                     |
|  |              |   |            | Amount to be<br>refunded   | \$                  |
|  |              |   |            | charged  | \$                  |
| a. <input type="checkbox"/> A check in the amount of \$_____ to cover the above fees is enclosed.<br>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 02-2135 in the amount of \$1,000 to cover the above filing fees and \$40 for the assignment recordation fee. A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2135. |              |   |            |  |                     |
| NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  |              |   |            |  |                     |
| SEND ALL CORRESPONDENCE TO:<br><br>Customer No. 6449<br><br>Robert B. Murray<br>Rothwell, Figg, Ernst & Manbeck<br>1425 K St., N.W.<br>Washington, D.C. 20005<br>Phone: 202/783-6040   |              |   |            |  |                     |
|  |              |   |            | <br>Signature<br><br>Robert B. Murray<br>Name<br><br>22,980<br>Registration Number |                     |